IN THE CLAIMS:

Please amend claim 1 as follows:

LISTING OF CURRENT CLAIMS

1.   (Currently Amended) A method for inter-cluster communication that employs register permutation, where clustered functional units have some global registers, and the said clustered functional units exchange data, without actual data movement, by exchanging data between the said global registers of each cluster by permuting through crossbar switches.

2. (Previously Presented) The method for inter-cluster communication that employs register permutation according to claim 1, wherein the register permutation is done by dynamically changing a port mapping between the global registers and the functional units.

3. (Previously Presented) The method for inter-cluster communication that employs register permutation according to claim 2, wherein the said port mapping is done by a routing structure.

4. (Previously Presented) The method for inter-cluster communication that employs register permutation according to claim 1, wherein a size of partitioned register files and a number of the said ports are both scalable.

5.   (Original) The method for inter-cluster communication that employs register permutation according to claim 1, further comprising any number of cluster structures.